IPE
AUG 24 2004
PATENT & TRADEMARK OFFICE 2600

Figure 4a

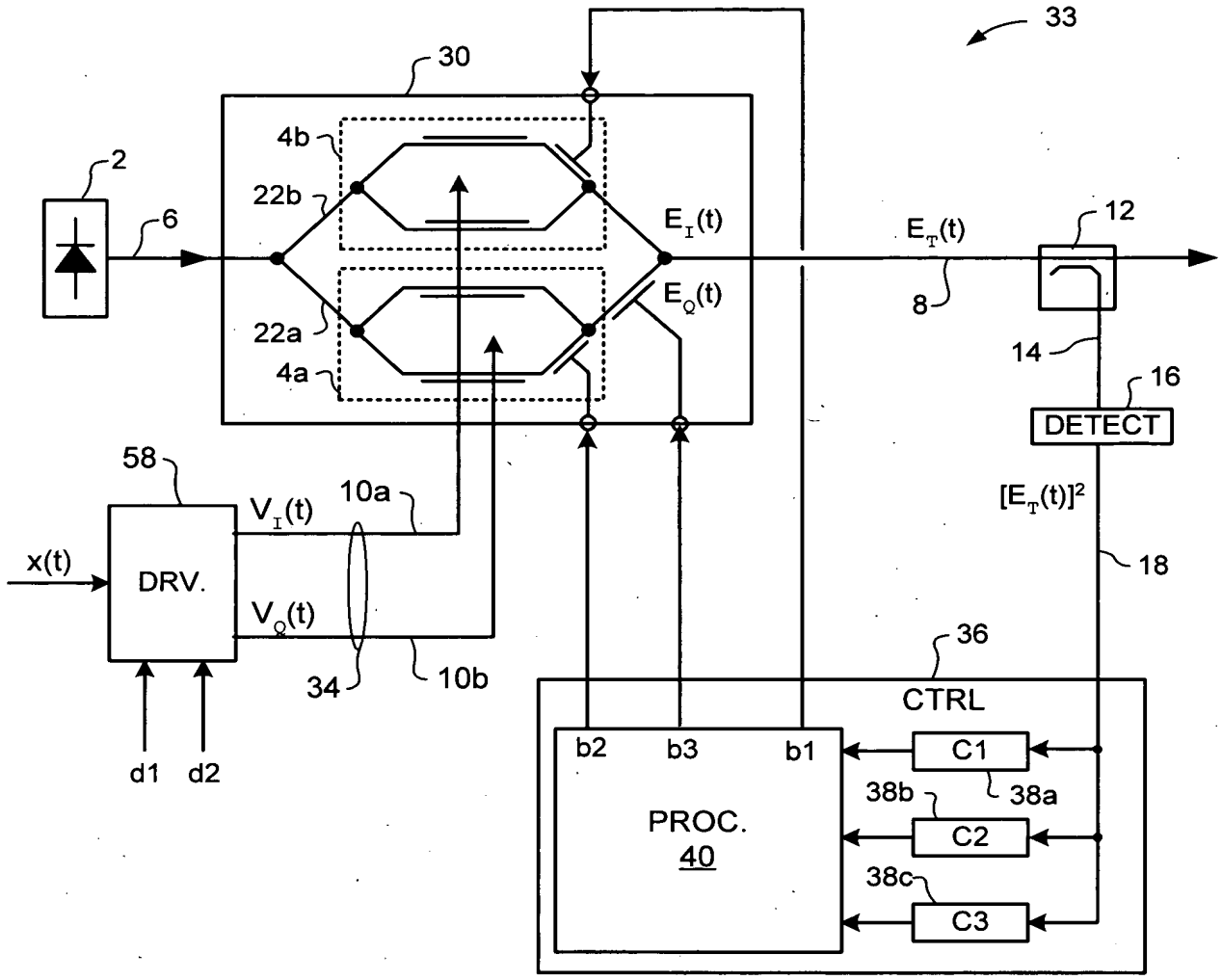


Figure 4b

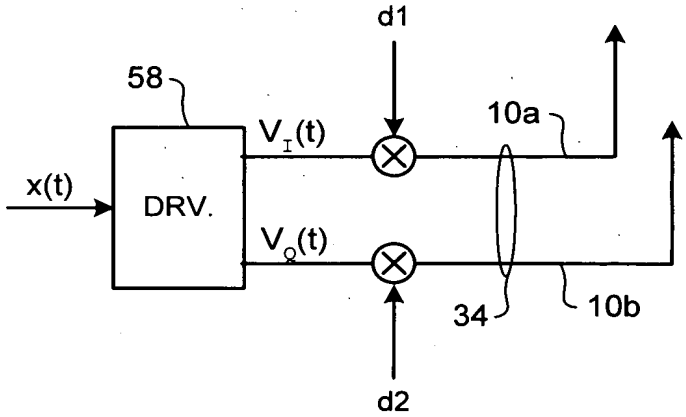


Figure 7

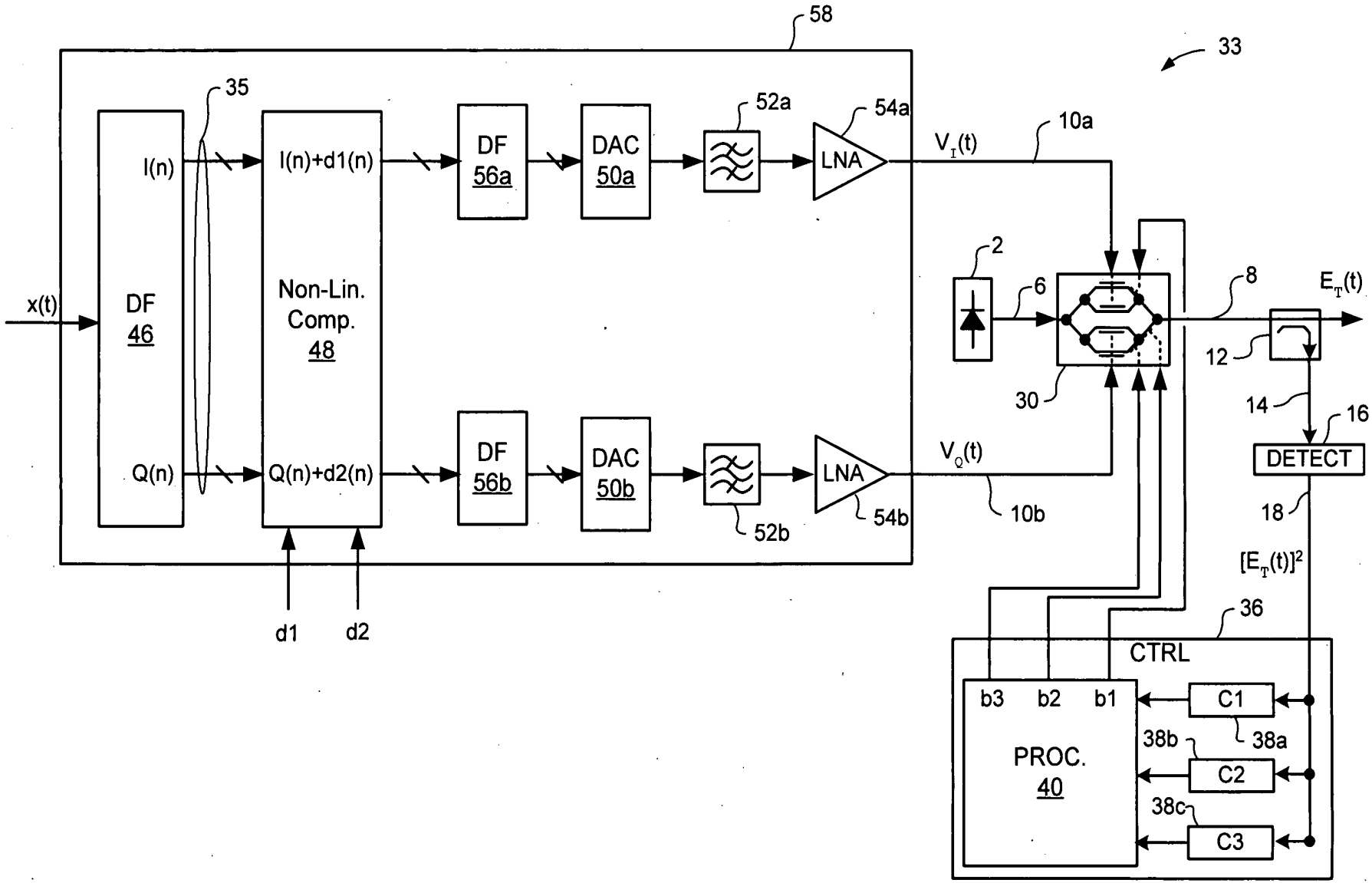
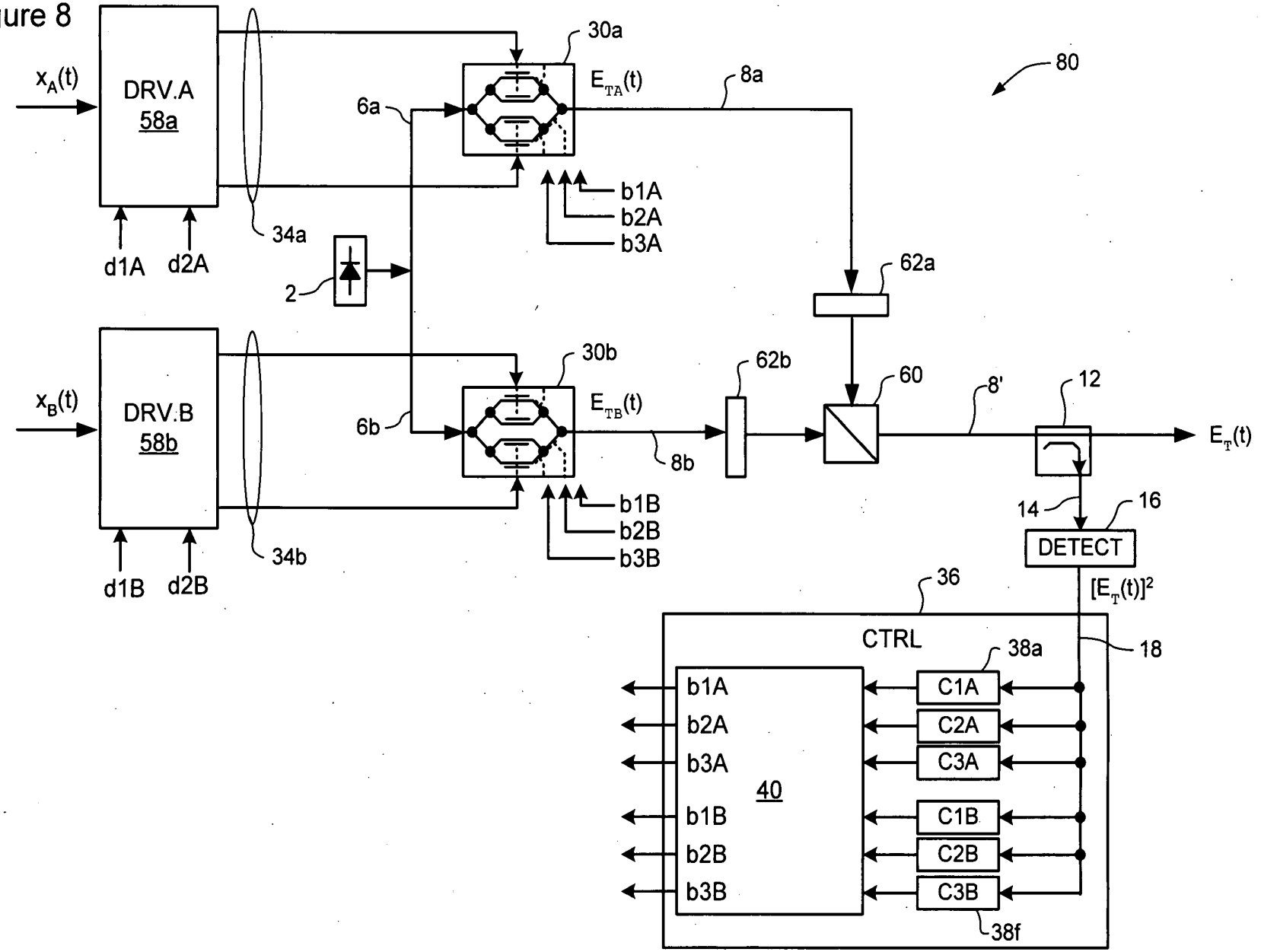

58
33
35
I(n)
Q(n)
x(t)
DF
46
Non-Lin.
Comp.
48
I(n)+d1(n)
Q(n)+d2(n)
d1
d2
DF
56a
DF
56b
DAC
50a
DAC
50b
52a
52b
LNA
LNA
54a
54b
$V_I(t)$
$V_Q(t)$
10a
10b
2
6
8
30
12
14
16
$E_T(t)$
DETECT
18
$[E_T(t)]^2$
36
CTRL
b3
b2
b1
PROC.
40
C1
C2
C3
38a
38b
38c

Figure 8


$x_A(t)$
DRV.A
58a
d1A
d2A
34a
2
30a
$E_{TA}(t)$
6a
8a
b1A
b2A
b3A
62a
80
$x_B(t)$
DRV.B
58b
d1B
d2B
34b
30b
$E_{TB}(t)$
6b
8b
62b
60
8'
12
$E_T(t)$
b1B
b2B
b3B
14
16
DETECT
$[E_T(t)]^2$
36
CTRL
18
38a
b1A
b2A
b3A
40
b1B
b2B
b3B
C1A
C2A
C3A
C1B
C2B
C3B
38f